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Dated: September 13, 2006

Signature:

(Rebecca Butler Glinan)

Docket No.: 68349-00025USPX  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Jaume Anguera Pros et al.

Application No.: 10/584442

Confirmation No.: N/A

Filed: July 18, 2006

Art Unit: N/A

For: MULTI-BAND MONOPOLE ANTENNAS  
FOR MOBILE COMMUNICATIONS  
DEVICES

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application in accordance with 37 CFR 1.98(a)(2). Applicant submits herewith copies of any cited non-patent documents and foreign patent documents in accordance with 37 CFR 1.98(a)(2).

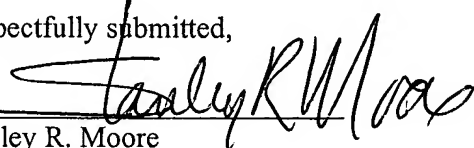
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing

of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 10-0447, under Order No. 68349-00025USPX. A duplicate copy of this paper is enclosed.

Dated: September 12, 2006

Respectfully submitted,  
By   
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ALTERNATIVE TO PTO/SB/08a/b (07-05)

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/584442
				Filing Date	July 18, 2006
				First Named Inventor	Jaume Anguera Pros
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	68349-00025USPX

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
	A1*	US-6,166,694	12-26-2000	Ying et al.
	A2*	US-6,111,545	08-29-2000	Saari et al.
	A3*	US-6,112,102	08-29-2000	Zhinong et al.
	A4*	US-6,329,962-A1	12-11-2001	Ying et al.
	A5*	US-20010002823-A1	06-07-2001	YING
	A6*	US-20020080088-A1	06-27-2002	Boyle
	A7*	US-20020175866-A1	11-28-2002	Gram
	A8*	US-6,104,349	08-15-2000	Cohen
	A9*	US-6,307,511	10-23-2001	Ying et al.
	A10*	US-20020000940-A1	01-03-2002	MOREN et al.
	A11*	US-6,337,663	01-08-2002	Chi-Ming et al.
	A12*	US-6,664,930-A1	12-16-2003	Wen et al.
	A13*	US-5,870,066	02-09-1999	Asakura et al.
	A14*	US-5,963,871	10-05-1999	Zhinong et al.
	A15*	US-20020190904-A1	12-19-2002	Cohen
	A16*	US-20040027295-A1	02-12-2004	Huber et al.
	A17*	US-20040095289-A1	05-20-2004	Bae et al.
	A18*	US-6,445,352	09-03-2002	Cohen
	A19*	US-20020044090-A1	04-18-2002	Bahr et al.
	A20	US-6,130,651	10-10-2000	Yanagisawa et al.
	A21	US-6,459,413-A1	10-01-2002	Tseng et al.
	A22	US-6,864,854-A1	03-08-2005	Dai et al.
	A23	US-5,929,825	07-27-1999	Niu et al.
	A24	US-6,140,975	10-31-2000	Cohen
	A25	US-2006/0033668	02-16-2006	Ryu
	A26	US-2006/0170610	08-03-2006	Rabinovich et al.
	A27	US-2005/0237244	10-27-2005	Annabi et al.

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
	B1	GB-2 361 584	10-24-2001	Motorola Limited	
	B2	WO-00/77884	12-21-2000	Harada Industries (Europe) Limited	
	B3	WO-2004/0025778	03-25-2004	Fractus S.A.	
	B4	EP-0 986 130	03-15-2000	Siemens AG	✓
	B5	EP-1 237 224	09-04-2002	Siemens AG	✓
	B6	EP-1 198 027	04-17-2002	The Furukawa Electric Co., Ltd.	
	B7	WO-01/48861	07-05-2001	Allgon AB	
	B8	WO-02/35646	05-02-2002	Fractus-Ficosa International, UTE	
	B9	WO-99/56345	11-04-1999	Intenna Technology AB	
	B10	WO-96/38881	12-05-1996	Ericsson Inc.	
	B11	WO-01/26182	04-12-2001	Smarteq Wireless AB	
	B12	WO-01/54225	07-26-2001	Fractus SA	

Examiner Signature		Date Considered	
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				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	68349-00025USPX

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	C1	C. Puente et al., "Small But Long Koch Fractal Monopole", Electronics Letters, January 8, 1998, vol. 34, no. 1, pages 9-10		
	C2	Carles Puente Baliarda et al., "The Koch Monopole: A Small Fractal Antenna", IEEE Transactions on Antennas and Propagation, vol. 48, no. 11, November 2000, pages 1773-1781		
	C3	Nathan Cohen, "Fractal Antenna Applications in Wireless Telecommunications", IEEE, 1997, pages 43-49		
	C4	C. Puente et al., "Multiband Properties of a Fractal Tree Antenna Generated by Electrochemical Deposition", Electronics Letters, December 5, 1996, vol. 32, no. 25, pages 2298-2299		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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